

FlyAway

I. Specifications

- 1) A search form in the homepage to allow entry of travel details, like the date of travel, source, destination, and the number of persons
 - Input for Destination (City)
 - Input for Source (City)
 - Input for Date
 - Input for number of people
- 2) Based on the travel details entered, it will show the available flights with their ticket prices
- 3) Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details. In the next page, they are shown the flight details of the flight that they are book, and the payment is done via a dummy payment gateway. On completion of the payment, they are shown a confirmation page with the details of the booking.
- 4) Admin view must include:
 - Admin login page where admin can change the password after login
 - Master list of AIRPORT
 - Master list of AIRLINE
 - List of FLIGHTS
 - List of TRIPS
- 5) User view must include:
 - User login page where user can change password after login
 - List of TRIPS (by PASSENGER)
 - Enter/Modify PASSENGER details
- 6) Tables:
 - a. Need a FLIGHT table with:
 - Flight No. [PK]
 - Airline ID
 - Departure (Airport ID)
 - Arrival (Airport ID)
 - Date - Departure
 - Date - Arrival
 - Time - Departure
 - Time - Arrival
 - Ticket Price

- Passenger Capacity

b. Need an AIRLINE table with:

- Airline ID [PK]
- Airline Name
- Country

c. Need an AIRPORT table with:

- 1. Airport ID [PK]
- 2. Airport Name
- 3. City
- 4. Country

d. Need a PASSENGER table with:

- 1. Passport No. [PK]
- 2. First Name
- 3. Last Name
- 4. Gender
- 5. DOB
- 6. Address
- 7. Email

e. Need a TRIP table with:

- 1. Flight No. [PK]
- 2. Passport No. [PK]
- 4. Seat No.

f. Need a USER table with:

- 1. Email [PK]
- 2. Password
- 3. Type (Admin, User)

II. Backlog

<input type="checkbox"/> Create USER DO Class	CPF-1	↑	-
<input type="checkbox"/> Create AIRLINE DO Class	CPF-2	↑	-
<input type="checkbox"/> Create AIRPORT DO Class	CPF-3	↑	-
<input type="checkbox"/> Create PASSENGER DO Class	CPF-4	↑	-
<input type="checkbox"/> Create FLIGHT DO Class	CPF-5	↑	-
<input type="checkbox"/> Create TRIP DO Class	CPF-6	↑	-
<input type="checkbox"/> Create MANAGER Class to handle CRUD operations	CPF-7	↑	-
<input type="checkbox"/> Create INDEX JSP	CPF-8	↑	-
<input type="checkbox"/> Create LOGIN JSP/Servlet	CPF-9	↑	-
<input type="checkbox"/> Create ADMIN Menu	CPF-10	↑	-
<input type="checkbox"/> Create USER Menu	CPF-11	↑	-
<input type="checkbox"/> Create REGISTER JSP/Servlet	CPF-12	↑	-
<input type="checkbox"/> Create FLIGHTS JSP	CPF-13	↑	-
<input type="checkbox"/> Create FLIGHT JSP	CPF-14	↑	-
<input type="checkbox"/> Create PASSENGER JSP/Servlet	CPF-15	↑	-
<input type="checkbox"/> Create PAYMENT JSP/Servlet	CPF-16	↑	-
<input type="checkbox"/> Create CONFIRM PAYMENT JSP/Servlet	CPF-17	↑	-
<input type="checkbox"/> Create Admin/User CHANGE PASSWORD JSP/Servlet	CPF-18	↑	-
<input type="checkbox"/> Create Admin AIRPORTS JSP/Servlets (CRUD)	CPF-19	↑	-
<input type="checkbox"/> Create Admin AIRLINE JSP/Servlets (CRUD)	CPF-20	↑	-
<input type="checkbox"/> Create Admin FLIGHT JSP/Servlets (CRUD)	CPF-21	↑	-
<input type="checkbox"/> Create Admin TRIP JSP (Read-Only)	CPF-22	↑	-
<input type="checkbox"/> Create User PASSENGER DETAILS (Read-Only)	CPF-23	↑	-
<input type="checkbox"/> Create User TRIPS JSP (Read-Only)	CPF-24	↑	-
<input type="checkbox"/> Create CSS for forms	CPF-25	↑	-
<input type="checkbox"/> Create CSS for tables	CPF-26	↑	-
<input type="checkbox"/> Create CSS for Header Bar	CPF-27	↑	-
<input type="checkbox"/> Create CSS for Footer Bar	CPF-28	↑	-

III. Sprints

1. Sprint 1

<input type="checkbox"/> Create USER DO Class	CPF-1	↑	-
<input type="checkbox"/> Create AIRLINE DO Class	CPF-2	↑	-
<input type="checkbox"/> Create AIRPORT DO Class	CPF-3	↑	-
<input type="checkbox"/> Create PASSENGER DO Class	CPF-4	↑	-
<input type="checkbox"/> Create FLIGHT DO Class	CPF-5	↑	-
<input type="checkbox"/> Create TRIP DO Class	CPF-6	↑	-
<input type="checkbox"/> Create MANAGER Class to handle CRUD operations	CPF-7	↑	-
<input type="checkbox"/> Create INDEX JSP	CPF-8	↑	-

2. Sprint 2

<input checked="" type="checkbox"/> Create USER DO Class	CPF-1	↑	-
<input checked="" type="checkbox"/> Create AIRLINE DO Class	CPF-2	↑	-
<input checked="" type="checkbox"/> Create AIRPORT DO Class	CPF-3	↑	-
<input checked="" type="checkbox"/> Create PASSENGER DO Class	CPF-4	↑	-
<input checked="" type="checkbox"/> Create FLIGHT DO Class	CPF-5	↑	-
<input checked="" type="checkbox"/> Create TRIP DO Class	CPF-6	↑	-
<input checked="" type="checkbox"/> Create MANAGER Class to handle CRUD operations	CPF-7	↑	-
<input checked="" type="checkbox"/> Create INDEX JSP	CPF-8	↑	-

3. Sprint 3

<input checked="" type="checkbox"/> Create USER DO Class	CPF-1	↑	-
<input checked="" type="checkbox"/> Create AIRLINE DO Class	CPF-2	↑	-
<input checked="" type="checkbox"/> Create AIRPORT DO Class	CPF-3	↑	-
<input checked="" type="checkbox"/> Create PASSENGER DO Class	CPF-4	↑	-
<input checked="" type="checkbox"/> Create FLIGHT DO Class	CPF-5	↑	-
<input checked="" type="checkbox"/> Create TRIP DO Class	CPF-6	↑	-
<input checked="" type="checkbox"/> Create MANAGER Class to handle CRUD operations	CPF-7	↑	-
<input checked="" type="checkbox"/> Create INDEX JSP	CPF-8	↑	-

4. Sprint 4

<input checked="" type="checkbox"/> Create CSS for forms	CPF-25	↑	-
<input checked="" type="checkbox"/> Create CSS for tables	CPF-26	↑	-
<input checked="" type="checkbox"/> Create CSS for Header Bar	CPF-27	↑	-
<input checked="" type="checkbox"/> Create CSS for Footer Bar	CPF-28	↑	-

IV. Java Concepts

- Implemented Database operations using Hibernate JPA
- Implemented Web Development using a combination of JSP and Servlets
- View implementation uses both JSP and HTML
- Implemented CSS to modify visual aspects of HTML for GUI

V. Flowchart

